Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2019-09-06-14** **Date: 27-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Dodda Chikkanna Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/22/2019-20
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	24-06-19
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	24-06-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : **15000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	586	586	3.9	96.1	90-100
3	20 mm	4872	5458	36.4	63.6	30-70
4	10 mm	7136	12594	84.0	16.0	10-35
5	4.75 mm	2108	14702	98.0	2.0	0-5
	Pan	298	15000	100.0	0	---

CIVIL Pro Sig Date BANGALORE

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2019-09-06-14** **Date: 27-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Dodda Chikkanna Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/22/2019-20
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	24-06-19
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	24-06-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : **15000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	586	586	3.9	96.1	90-100
3	20 mm	4872	5458	36.4	63.6	30-70
4	10 mm	7136	12594	84.0	16.0	10-35
5	4.75 mm	2108	14702	98.0	2.0	0-5
6	Pan	298	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2019-09-06-14** **Date: 26-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Dodda Chikkanna Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer Reference	:	EE(YNK.D)E-PMT-09/W.O/22/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-06-19
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	24-06-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	198	198	4.0	96.0	90-100
3	10 mm	3148	3346	66.9	33.1	25-55
4	4.75 mm	1449	4795	95.9	4.1	0-10
5	Pan	205	5000	100	0	-

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2019-09-06-14 **Date: 26-06-19**

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drains at Dodda Chikkanna Layout in Ward No.03, Attur.

Agency : Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.

Customer's Reference : EE(YNK.D)E-PMT-09/W.O/22/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 24-06-19

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 24-06-19

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	26	26	2.6	97.4	90-100	90-100	90-100	95-100
3	2.36 mm	54	80	8.0	92.0	60-95	75-100	85-100	95-100
4	1.18 mm	227	307	30.7	69.3	30-70	55-90	75-100	90-100
5	600 micron	207	514	51.4	48.6	15-34	35-59	60-79	80-100
6	300 micron	200	714	71.4	28.6	5-20	8-30	12-40	15-50
7	150 micron	198	912	91.2	8.8	0-10	0-10	0-10	0-15
8	Pan	88	1000	100.0	0.0	---	---	---	---

Result :The tested sample Conforms to Grading Zone II

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ಯಲಹಂಕ ಉಪವಿಭಾಗ ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು-106

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TEST RESULTS OF STEEL

Lab ID	:	CP-2019-09-06-14 **Date: 29-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Dodda Chikkanna Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/22/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-06-19
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	28-06-19

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.392	514	654	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.618	526	674	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	546	666	20.0%	Satisfactory	Satisfactory

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TEST REPORT OF PRECAST COVER SLAB

Lab ID : **CP-2019-09-06-14** **Date: 12-07-19**

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drains at Dodda Chikkanna Layout in Ward No.03, Attur.

Agency : Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.

Customer's Reference : EE(YNK.D)E-PMT-09/W.O/22/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 08-07-19

Sample Type /Size : Precast Cover Slab(100 mm)

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 08/07/2019

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.53	100.48	1.118	4480	80.5	18.0	16.7	20.9
2	Cover Slab-2	75.48	100.52	1.136	4474	82.3	18.4	17.1	21.4
3	Cover Slab-3	75.52	100.51	1.128	4478	83.1	18.6	17.3	21.6

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-09-06-14

Date: 08/07/2019

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drains at Dodda Chikkanna Layout in Ward No.03, Attur.

Agency : Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.

Customer's Reference : EE(YNK.D)E-PMT-09/W.O/22/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 03-07-19

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 08/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	01/07/2019	08/07/2019	149.62 X 150.19 X 150.23	22471	8.158	276.4	12.3	12.6
2	PCC	M15	01/07/2019	08/07/2019	151.04 X 149.84 X 151.28	22631	8.202	290.4	12.8	
3	PCC	M15	01/07/2019	08/07/2019	150.23 X 149.43 X 151.45	22450	8.386	281.7	12.5	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 09/07/2019

Lab ID	:	CP-2019-09-06-14
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Dodda Chikkanna Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/22/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	04-07-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	09/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	02/07/2019	09/07/2019	149.22 X 151.51 X 150.68	22608	8.762	410.5	18.2	18.5
2	Drain Bottom Slab Concrete	M20	02/07/2019	09/07/2019	149.15 X 150.24 X 150.29	22408	8.486	419.7	18.7	
3	Drain Bottom Slab Concrete	M20	02/07/2019	09/07/2019	151.42 X 150.68 X 150.64	22815	8.281	423.7	18.6	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 09/07/2019

Lab ID	:	CP-2019-09-06-14
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Dodda Chikkanna Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/22/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	04-07-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	09/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	02/07/2019	09/07/2019	151.30 X 149.13 X 151.59	22564	8.762	406.7	18.0	18.3
2	Drain Bottom Slab Concrete	M20	02/07/2019	09/07/2019	150.98 X 149.94 X 150.26	22637	8.486	408.3	18.0	
3	Drain Bottom Slab Concrete	M20	02/07/2019	09/07/2019	150.31 X 151.82 X 150.72	22820	8.281	433.0	19.0	

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2019-09-06-14
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Dodda Chikkanna Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/22/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-07-19
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	15/07/2019

Date: 15/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	08/07/2019	15/07/2019	151.81 X 149.81 X 149.61	22742	8.762	411.7	18.1	18.5
2	Drain Side Wall Concrete	M20	08/07/2019	15/07/2019	149.52 X 151.65 X 149.21	22675	8.486	430.3	19.0	
3	Drain Side Wall Concrete	M20	08/07/2019	15/07/2019	151.56 X 151.16 X 150.35	22910	8.281	419.9	18.3	

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 15/07/2019

Lab ID	:	CP-2019-09-06-14
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Dodda Chikkanna Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/22/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-07-19
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	15/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	08/07/2019	15/07/2019	150.17 X 150.03 X 150.44	22529	8.762	411.0	18.2	18.3
2	Drain Side Wall Concrete	M20	08/07/2019	15/07/2019	151.87 X 150.91 X 150.28	22918	8.486	417.6	18.2	
3	Drain Side Wall Concrete	M20	08/07/2019	15/07/2019	151.35 X 149.91 X 151.88	22689	8.281	419.5	18.5	

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-09-06-14** **Date: 05/08/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Dodda Chikkanna Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/22/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-07-19
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete C1.5
Date of test	:	05/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	08/07/2019	05/08/2019	149.48 X 151.26 X 150.70	22611	8.773	522.3	23.1	22.9
2	Drain Side Wall Concrete	M20	08/07/2019	05/08/2019	151.77 X 149.12 X 151.09	22631	8.088	507.3	22.4	
3	Drain Side Wall Concrete	M20	08/07/2019	05/08/2019	149.22 X 149.22 X 151.26	22267	8.849	514.1	23.1	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2019-09-06-14** **Date: 27-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Dodda Chikkanna Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/22/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-06-19
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	25-06-19
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.63	–
2	Finess by Air permeablity method (m^2/kg,Min)	298.6	225m^2/kg, Min
3	Density (gm/cc)	3.11	–
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	265 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 90 days from the date of issue of test certificate

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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2019-09-06-14** **Date: 23-07-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Dodda Chikkanna Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/22/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-06-19
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	25-06-19
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	27.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	57.5N/mm^2	Not less than 53 N/mm^2

Note:
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Samples will be disposed after 90 days from the date of issue of test certificate

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಪಿ.ಎಂ.ಸಿ, ಬೆಂಗಳೂರು-106

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